

CLAIMS

1. A disc player comprising:
a disc receptacle;
one or more optionally-pulsing light sources that project incident light into the receptacle
5 when the disc player is operated;
one or more optionally-pulsing viewing ports for the receptacle;
a rotatable spindle or platen in the receptacle; and
an anti-piracy system comprising a verification system adapted to compare verification
data obtained from a disc to access control data;
10 wherein the frequency, pulse length, pulse interval, pulse period, color, intensity or a
combination thereof of the viewing port and/or light source is either directly or
indirectly synchronized with the rotation of the spindle or platen such that when a
disc is being played by the disc player, one or more two-dimensional and/or a
three-dimensional discrete images are formed on, below or above the viewable
15 surface of the disc by the persistence of vision when the disc is viewed through the
viewing port; and
the anti-piracy system is adapted to allow or disallow playing of a disc in the receptacle of
the player according to instructions received from the verification system.
- 20 2. The disc player of claim 1, wherein the anti-piracy system is adapted to obtain
verification data from a disc in the receptacle of the disc player.
3. The disc player of claim 2, wherein the memory storage device of the disc player
comprises access control data optionally obtained from a disc in the receptacle of
the disc player.
- 25 4. The disc player of claim 3, wherein the memory storage device is a permanent or
semi-permanent memory storage device.
5. The disc player of claim 3, wherein the memory storage device is a temporary
storage device.
6. The disc player of claim 3, wherein the disc player comprises one or more optical
readers adapted to read digital/optical content from a disc in the receptacle.
- 30 7. The disc player of claim 3, wherein at least one optical reader is adapted to read
position marking indicia and/or permission-granting indicator from a disc in the
receptacle.

8. The disc player of claim 3, wherein the disc player reads disc content and/or permission-granting indicator without rendering the disc content viewable or audible by a user.

9. A disc player comprising:

- 5 a disc receptacle;
one or more memory storage devices;
synchronization means;
a rotatable spindle and optional platen in the disc receptacle, wherein the spindle and/or
platen comprises disc engagement means capable of maintaining a disc at a fixed
10 angular position with respect to the spindle and/or platen;
at least one optical reader in the disc receptacle;
one or more operably engaged optionally-pulsing viewing ports for exposing at least a
portion of the disc receptacle;
angular position determining means that determines the angular position of the spindle or
15 platen relative to a fixed position on the disc player;
one or more optionally-pulsing light sources that project constant or pulsing incident light
into the disc receptacle such that when a disc is being played by the disc player,
one or more two-dimensional and/or one or more three-dimensional discrete
images are formed on, below or above the viewable surface of the disc by the
20 persistence of vision; and
an anti-piracy system comprising a verification system, the anti-piracy system being
adapted to allow or disallow play of a disc by the disc player in response to
verification data received from the disc and processed by the verification system.
- 25 10. The disc player of claim 9, wherein the anti-piracy system is adapted to obtain
verification data from a disc in the receptacle of the disc player.
11. The disc player of claim 10, wherein the memory storage device of the disc player
comprises access control data optionally obtained from a disc in the receptacle of
the disc player.
12. The disc player of claim 11, wherein the memory storage device is a permanent or
30 semi-permanent memory storage device.
13. The disc player of claim 11, wherein the memory storage device is a temporary
storage device.

14. The disc player of claim 11, wherein the disc player comprises one or more optical readers adapted to read digital/optical content from a disc in the receptacle.
15. The disc player of claim 11, wherein at least one optical reader is adapted to read position marking indicia and/or permission-granting indicator from a disc in the
5 receptacle.
16. The disc player of claim 11, wherein the disc player reads disc content and/or permission-granting indicator without rendering the disc content viewable or audible by a user.
17. A disc player system comprising:
- 10 a disc having a first side comprising an image-forming medium, disc player-readable digital or optical data, and verification data; and
- a disc player comprising:
- a disc receptacle;
- at least one memory storage device;
- 15 a rotatable spindle and optional platen in the disc receptacle;
- one or more operably engaged optionally pulsing viewing ports for exposing at least a portion of the disc receptacle;
- one or more optionally-pulsing light sources that project incident light into the disc receptacle and onto the image-forming medium such that when the disc is
20 being played by the disc player, one or more two-dimensional and/or one or more three-dimensional discrete images are formed on, below or above the viewable surface of the disc by the persistence of vision when the disc is viewed through the one or more viewing ports; and
- an anti-piracy system adapted to allow or disallow playing of the disc by the
25 player, the anti-piracy system comprising a verification system that compares verification data received from the disc to access control data that is resident in or on the disc and/or in the memory storage device.
18. The disc player system of claim 17, wherein the anti-piracy system is adapted to obtain verification data from a disc in the receptacle of the disc player.
- 30 19. The disc player system of claim 18, wherein the memory storage device of the disc player comprises access control data optionally obtained from a disc in the receptacle of the disc player.

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- 20. The disc player system of claim 19, wherein the memory storage device is a permanent or semi-permanent memory storage device.
- 21. The disc player system of claim 19, wherein the memory storage device is a temporary storage device.
- 5 22. The disc player system of claim 19, wherein the disc player comprises one or more optical readers adapted to read digital/optical content from a disc in the receptacle.
- 23. The disc player system of claim 19, wherein at least one optical reader is adapted to read position marking indicia and/or permission-granting indicator from a disc in the receptacle.
- 10 24. The disc player system of claim 19, wherein the disc player reads disc content and/or permission-granting indicator without rendering the disc content viewable or audible by a user.